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PTO/SB/21 (09-04)

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

| | |
|------------------------|------------------|
| Application Number | 10/065,494 |
| Filing Date | October 24, 2002 |
| First Named Inventor | Sugar et al. |
| Art Unit | 2661 |
| Examiner Name | Not Yet Known |
| Attorney Docket Number | COG-2-0988.01.US |

Total Number of Pages in This Submission

ENCLOSURES (Check all that apply)

| | | |
|---|--|---|
| <input type="checkbox"/> Fee Transmittal Form | <input type="checkbox"/> Drawing(s) | <input type="checkbox"/> After Allowance Communication to TC |
| <input type="checkbox"/> Fee Attached | <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
| <input type="checkbox"/> Amendment/Reply | <input type="checkbox"/> Petition | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information |
| <input type="checkbox"/> Affidavits/declaration(s) | <input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address | <input type="checkbox"/> Status Letter |
| <input type="checkbox"/> Extension of Time Request | <input type="checkbox"/> Terminal Disclaimer | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): |
| <input type="checkbox"/> Express Abandonment Request | <input type="checkbox"/> Request for Refund | Statement Under 37 CFR 3.73 (b) and Copy of Assignment |
| <input type="checkbox"/> Information Disclosure Statement | <input type="checkbox"/> CD, Number of CD(s) _____ | |
| <input type="checkbox"/> Certified Copy of Priority Document(s) | <input type="checkbox"/> Landscape Table on CD | |
| <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application | Remarks | |
| <input type="checkbox"/> Reply to Missing Parts under 37-CFR 1.52 or 1.53 | | |

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

| | | | |
|--------------|------------------------|----------|--------|
| Firm Name | VOLPE AND KOENIG, P.C. | | |
| Signature | | | |
| Printed name | Anthony L. Venezia | | |
| Date | 4/6/2005 | Reg. No. | 48,382 |

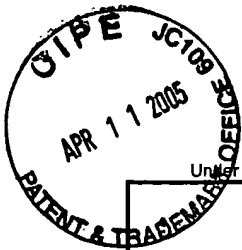
CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

| | | | |
|-----------------------|--------------------|------|----------|
| Signature | | | |
| Typed or printed name | Anthony L. Venezia | Date | 4/6/2005 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: IPR Licensing, Inc.Application No./Patent No.: 10/065,494 Filed/Issue Date: October 24, 2002Entitled: IMPROVING THROUGHPUT IN MULTI-RATE WIRELESS NETWORKS USING VARIABLE-LENGTH PACKETS AND OTHER TECHNIQUESIPR Licensing, Inc., a Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or2. ☐ an assignee of less than the entire right, title and interest.The extent (by percentage) of its ownership interest is _____ %
in the patent application/patent identified above by virtue of either:A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.**OR**B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.☐ Additional documents in the chain of title are listed on a supplemental sheet.☒ Copies of assignments or other documents in the chain of title are attached.

(NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Ant 4-6-2005
Date215-568-6400

Telephone number

Anthony L. Venezia

Typed or printed name

Anthony L. Venezia
Signature

Patent Agent

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ASSIGNMENT

WHEREAS, Cognio, Inc. ("Assignor"), a Delaware corporation having a mailing address of 20400 Observation Drive, Suite 206, Germantown, Maryland 20876 is the owner of the entire right, title, and interest in and to the patent properties listed in Schedule A except to the extent set forth in Paragraph 2 "Limitation" of Schedule B (the "Identified IPR") and the know-how, copyrights and other intellectual property rights listed on Schedule B ("the IPR Blocks"); and

WHEREAS, IPR Licensing Inc., a Delaware corporation having a mailing address of Suite 105, Hagley Building, 3411 Silverside Road, Concord Plaza, Wilmington, Delaware 19810 and a wholly owned subsidiary of InterDigital Communications Corporation ("Assignee") is desirous of acquiring the entire right, title, and interest in and to the Identified IPR and IPR Blocks and the additional patent properties identified below (all of said Identified IPR, IPR Blocks, and patent properties being referred to herein as the "Assigned IPR Assets").

NOW, THEREFORE, Assignor, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, does hereby SELL, ASSIGN, and CONVEY unto Assignee all right, title, and interest throughout the world in and to:

1. The Identified IPR and the IPR Blocks;
2. All inventions disclosed by the Identified IPR and the IPR Blocks;
3. All patents and like protection that have now been or may in the future be granted and that claim the inventions disclosed by the Identified IPR and

the IPR Blocks, whether in the United States of America or in any other country or place anywhere in the world;

4. All Patent Families (as defined in Schedule B hereto) of the Identified IPR and like grants, including without limitation, those obtained or permissible under past, present, and future law or statutes;
5. The right to Assignee to file in its name applications for patents and like protection for said Identified IPR and IPR Blocks in any country or countries foreign to the United States;
6. All international rights or priority associated with said Identified IPR (said Identified IPR, IPR Blocks and any and all rights, including patents and patent applications, covered by Items No. 2-6. hereof collectively referred to herein as the "Assigned IPR Assets");
7. All rights of action on account of past, present, and future unauthorized use of said Assigned IPR Assets and for infringement of said Assigned IPR Assets and like protection; and
8. All past, present, and future rights of recovery for unauthorized use of said Assigned IPR Assets under any provisional rights or like protection;

The U.S. Commissioner of Patents and Trademarks and any and all similarly situated officials in other countries are hereby requested to issue Letters Patent in accordance with this Assignment.

GENERAL

1. Assignee hereby accepts the foregoing assignment but shall not assume any liabilities, debts and obligations associated with the Assigned IPR

Assets, except for obligations for fees to maintain registrations or continue to prosecute the Identified IPR;

2. Assignor shall cooperate with Assignee, at Assignee's sole expense, in any action Assignee reasonably requests that Assignor take in order to effectuate, carry out, or fulfill the parties' intent and/or Assignor's obligations hereunder, including, without limitation, the execution of any instruments and papers that are necessary or desirable, in Assignee's sole discretion, to consolidate, confirm, vest and/or record Assignee's full and complete ownership of the Assigned IPR Assets with, for example, the U.S. Patent and Trademark Office or equivalent foreign offices;
3. This Assignment shall inure to the benefit of Assignee and its successors and assigns and shall be binding upon Assignor and its successors and assigns;
4. This Assignment and all questions relating to its validity, interpretation, performance and enforcement shall be governed by and construed in accordance with the laws of the State of Delaware;
5. This Assignment and the Purchase Agreement between Assignee and Assignor dated March 9, 2005 contain the entire agreement and understanding of the parties relating to the subject matter hereof, and merge and supersede all the parties relating to the subject matter hereof. This Assignment may not be changed or modified, except by an agreement in writing signed by each of the parties; and
6. This Assignment may be executed by facsimile and in counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by their duly authorized representatives and Assignor has delivered this instrument to Assignee effective the 9th day of March, 2005.

ASIGNOR: Cognio, Inc.

Today's Date: March 9, 2005

By: [Signature]

Title: President

State of Maryland

SS.:

County of Frederick

On March 9, 2005 before me, Sarah Bennett, Notary Public, personally appeared Tom McPherson, personally known or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she is executed the same in his/her authorized capacity and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

Witness my hand and official seal.



Sarah Bennett
NOTARY PUBLIC
FREDERICK COUNTY
MARYLAND

My Commission Expires June 28, 2006

[Signature]
Notary Public

ASSIGNEE: IPR Licensing Inc.

Today's Date: March 14, 2005

By: [Signature]

Title: Vice President

State of DE

SS.:

County of New Castle

On March 14, 2005 before me, Catherine Sinkewicz, Notary Public, personally appeared Patrick Donahue, personally known or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she is executed the same in his/her authorized capacity and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

Witness my hand and official seal.

[Signature]
Notary Public

Schedule A - Identified IPR

| Matter | Title | Filing Date | Serial Number | Country of Filing | Patent Number |
|-------------|---|-------------|----------------|--------------------------|---------------|
| Cognio77US | A Tunable Upconverter Mixer With Image Rejection | 01/20/2003 | 10/248,432 | United States of America | |
| Cognio77PCT | A Tunable Upconverter Mixer With Image Rejection | 01/14/2004 | PCT/US04/00915 | WIPO | |
| Cognio83US | Compensation Techniques for Group Delay Effects in Transmit Beamforming Radio Communication | 02/13/2004 | 10/779,269 | United States of America | |
| Cognio83PCT | Compensation Techniques for Group Delay Effects in Transmit Beamforming | 06/01/2004 | PCT/US04/17268 | WIPO | |
| Cognio21PCT | Improving the Efficiency of Power Amplifiers in Devices Using Transmit Beamforming | 03/13/2003 | PCT/US03/07561 | WIPO | |
| Cognio21US | Improving the Efficiency of Power Amplifiers in Devices Using Transmit Beamforming | 03/13/2003 | 10/249,063 | United States of America | |
| Cognio21US2 | Improving the Efficiency of Power Amplifiers in Devices Using Transmit Beamforming | 06/14/2004 | 10/867,249 | United States of America | |
| Cognio99US | Master-Slave Local Oscillator Porting Between Radio Integrated Circuits | 12/04/2003 | 10/707,312 | United States of America | |
| Cognio50CN | Multiple-Input Multiple-Output MIMO Radio Transceiver | 12/11/2004 | 038090457 | China | |
| Cognio50US | Multiple-Input Multiple-Output Radio Transceiver | 10/11/2002 | 10/065,388 | United States of America | 6,728,517 B2 |
| Cognio50TW | Multiple-Input Multiple-Output Radio Transceiver | 04/21/2003 | 02109232 | Taiwan | |
| Cognio50PCT | Multiple-Input Multiple-Output Radio Transceiver | 04/21/2003 | PCT/US03/12183 | WIPO | |
| Cognio50EP | Multiple-Input Multiple-Output Radio Transceiver | 04/21/2003 | 03726362.1 | European Union | |
| Cognio50US2 | Multiple-Input Multiple-Output Radio Transceiver | 01/08/2004 | 10/707,744 | United States of America | |
| Cognio97US | Signal Interfacing Techniques To Simplify Integrated Circuit Radio Designs | 12/15/2003 | 10/707,447 | United States of America | |

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|-------------|---|------------|----------------|--------------------------|--------------|
| Cognio97PCT | Signal Interfacing Techniques to Simplify Integrated Circuit Radio Designs | 05/14/2004 | PCT/US04/15339 | WIPO | |
| Anyya40US | System and Method for Antenna Diversity Using Equal Power Joint Maximal Ratio Combining | 06/19/2002 | 10/174,689 | United States of America | 6,785,520 B2 |
| Cognio40TW | System and Method for Antenna Diversity Using Equal Power Joint Maximal Ratio Combining | 02/26/2003 | 92104065 | Taiwan | |
| Cognio40PCT | System and Method for Antenna Diversity Using Equal Power Joint Maximal Ratio Combining | 02/26/2003 | PCT/03/05644 | WIPO | |
| Cognio40US2 | System and Method for Antenna Diversity Using Equal Power Joint Maximal Ratio Combining | 03/15/2004 | 10/690,610 | United States of America | |
| Anyya18US | System and Method for Antenna Diversity Using Joint Maximal Ratio Combining | 06/19/2002 | 10/174,728 | United States of America | 6,687,492 B2 |
| Cognio18TW | System and Method for Antenna Diversity Using Joint Maximal Ratio Combining | 02/26/2003 | 92104059 | Taiwan | 224405 |
| Cognio18PCT | System and Method for Antenna Diversity Using Joint Maximal Ratio Combining | 02/26/2003 | PCT/03/05642 | WIPO | |
| Cognio18US2 | System and Method for Antenna Diversity Using Joint Maximal Ratio Combining | 10/28/2003 | 10/695,229 | United States of America | |
| Cognio38US | System and Method for Joint Maximal Ratio Combining Using Time-Domain Based Signal Processing | 07/18/2002 | 10/084,482 | United States of America | |
| Cognio38TW | System and Method for Joint Maximal Ratio Combining Using Time-Domain Signal Processing | 02/26/2003 | 92104060 | Taiwan | 226765 |
| Cognio38PCT | System and Method for Joint Maximal Ratio Combining Using Time-Domain Signal Processing | 02/26/2003 | PCT/03/05647 | WIPO | |
| Cognio38US2 | System and Method for Joint Maximal Ratio Combining Using Time-Domain Based Signal Processing | 12/23/2003 | 10/707,560 | United States of America | |
| Cognio29PCT | System and Method for Multiple-Input Multiple-Output (MIMO) Radio Communication | 07/25/2003 | PCT/US03/23408 | WIPO | |
| Cognio29US | System and Method for Multiple-Input Multiple-Output (MIMO) Radio Communication | 07/25/2003 | 10/627,537 | United States of America | |
| Cognio29US2 | System and Method for Transmit Weight Computation for Vector Beamforming Radio Communication | 02/13/2004 | 10/779,268 | United States of America | |
| Anyya23US | Systems and Methods for Improving Range for Multicast Wireless Communication | 06/19/2002 | 10/174,690 | United States of America | |

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|-------------|---|------------|----------------|--------------------------|--------------|
| Cognio23TW | Systems and Methods for Improving Range for Multicast Wireless Communication | 02/26/2003 | 92104064 | Taiwan | |
| Cognio23PCT | Systems and Methods for Improving Range for Multicast Wireless Communication | 02/26/2003 | PCT/03/05646 | WIPO | |
| Cognio23US2 | Systems and Methods for Improving Range for Multicast Wireless Communication | 05/27/2004 | 10/855,279 | United States of America | |
| Cognio52US | Techniques for Correcting for Phase and Amplitude Offsets in a MIMO Radio Device | 06/09/2003 | 10/457,293 | United States of America | |
| Cognio52PCT | Techniques for Correcting for Phase and Amplitude Offsets in a MIMO Radio Device | 09/09/2003 | PCT/US03/28126 | WIPO | |
| Cognio52US2 | Techniques for Correcting for Phase and Amplitude Offsets in a MIMO Radio | 06/02/2004 | 10/859,255 | United States of America | |
| Cognio102US | Variable Gain Amplifier with Low Phase Variation | 01/12/2005 | 11/034,224 | United States of America | |
| Cognio57US | Voltage-Controlled Oscillator with Automatic Amplitude Control Circuit | 11/13/2002 | 10/065,719 | United States of America | 6,700,450 B2 |
| Cognio8US | Improving Throughput in Multi-Rate Wireless Networks Using Variable-Length Packets and Other Techniques | 10/24/2002 | 10/065,494 | United States of America | |

| Matter | Title | Filing Date | Serial Number |
|---------------|--|-------------|---------------|
| 30014380.0008 | Improving Throughput in Multi-Rate Wireless Networks Using Variable-Length Packets and Other Techniques | 10/30/2001 | 60/330,755 |
| Aryys18Prov | Antenna Diversity Scheme Using Joint Maximal Ratio Combining | 03/01/2002 | 60/361,055 |
| 30014380.0021 | Improving Efficiency of Power Amplifiers for WLAN Terminals Using Transmit Beamforming | 03/21/2002 | 60/365,811 |
| 30014380.0022 | Method for Maintaining Channel State Information at the Transmitter to Improve Link Quality in Multi-User WLAN Radio Systems | 03/21/2002 | 60/365,775 |
| 30014380.0020 | Improving Range and Throughput of Wireless LANs in Frequency Selective Fading Environments | 03/21/2002 | 60/365,797 |
| 30014380.0023 | Techniques for Improving Range in Composite Beamforming-Enhanced 802.11x Networks | 03/21/2002 | 60/365,774 |

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| Aryya31Prov | System and Architecture for Wireless Transceiver Employing Composite Beamforming and Spectrum Management Techniques | 04/22/2002 | 60/374,531 |
| Aryya39Prov | Reducing Cost of a Half-Duplex Transceiver Integrated Circuit By Sharing a Single Filter for Receive and Transmit Operations | 04/29/2002 | 60/376,722 |
| Aryya40Prov | Antenna Diversity Scheme Using Equal Gain Composite Beamforming | 05/06/2002 | 60/380,139 |
| Aryya53Prov | System and Method for Sharing an ADC and a DAC in a Half-Duplex Radio Transceiver | 06/21/2002 | 60/319,336 |
| Cognio44Prov | Half-Duplex Radio Transceiver Supporting Dual Band and Scalable Multi-Channel Operations | 06/27/2002 | 60/319,360 |
| Cognio57Prov | Voltage-Controlled Oscillator with Automatic Amplitude Control Circuit | 07/29/2002 | 60/319,430 |
| Cognio29Prov | System and Method for Vectorized Data Transmission Between Communication Devices | 07/30/2002 | 60/319,437 |
| Cognio50Prov | Radio Transceiver Having Multiple Integrated Receive and Transmit Paths and a Wideband Operation Mode | 07/30/2002 | 60/319,434 |
| Cognio52Prov | Techniques for Correcting Phase Mismatch in MIMO Radio Transceivers | 09/10/2002 | 60/409,677 |
| Cognio29Prov2 | System and Method for Equal Power Vectorized Data Communication | 04/10/2003 | 60/461,672 |
| Cognio83Prov | Synchronization Algorithm to Compensate for Group Delay Effects on Transmit Beamforming | 06/09/2003 | 60/476,982 |
| Cognio29Prov3 | System and Method for Vectorized Radio Communication | 06/19/2003 | 60/479,945 |
| Cognio97Prov | Signal Multiplexing Techniques to Simplify Integrated Radio Circuit Design | 07/25/2003 | 60/481,139 |
| Cognio99Prov | Master-Slave Local Oscillator Porting Technique Between Multiple Integrated Circuits | 09/19/2003 | 60/481,399 |
| Cognio29Prov4 | System and Method for Transmit Weight Computation for Multiple-Input Multiple-Output (MIMO) Radio Communication | 10/15/2003 | 60/511,530 |
| Cognio102Prov | Variable Gain Amplifier With Low Phase Variation | 01/28/2004 | 60/539,643 |
| Cognio97Prov2 | Sharing a Connection Pin on a Radio Integrated Circuit for Transmit and Receive Signals | 02/02/2004 | 60/481,995 |

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|---------------|---|------------|------------|
| Cognio73Prov | Interface Between MIMO Radio Chip and Baseband Chip | 05/30/2003 | 60/474494 |
| Aryya45Prov | RF Amplifier with Bias Boosting Scheme Using a Voltage Divider | 05/30/2002 | 60/319,275 |
| Aryya48Prov | RF Amplifier with a Self-Bias Boosting Scheme Using PNP Transistors | 06/21/2002 | 60/319,335 |
| Aryya47Prov | Bias Boosting Schemes for Cascode-Configured RF Transistors | 06/21/2002 | 60/319,334 |
| Aryya56Prov | RF Amplifier with a Bias Boosting Scheme for a Complementary Push-Pull Configuration | 06/21/2002 | 60/319,337 |
| Cognio66Prov | Self-Bias Boosting Schemes for a Differential RF Amplifier | 10/18/2002 | 60/319,629 |
| Cognio72Prov | RF Amplifier with a Stable Bias Boosting Scheme | 11/06/2002 | 60/319,672 |
| Cognio55Prov | Method of Testing the Divider Circuitry of an Integrated Integer-N Style PLL or Fractional-N Style PLL | 06/27/2002 | 60/319,361 |
| Cognio62Prov | Frequency Synthesizer for Multi-Band Super-Heterodyne Transceiver Applications | 09/04/2002 | 60/319,518 |
| Cognio110Prov | A 5GHz Direct Conversion Receiver with DC Offset Correction (Published May, 2004, International Symposium on Circuits and Systems, pp. IV, 269-272) | 10/07/2003 | 60/509,286 |
| Cognio79Prov | A Fully Integrated Power Detector | 09/04/2003 | 60/481,327 |

Schedule B – IPR Blocks

1) IPR BLOCKS ASSIGNED: Any and all know-how, copyrights and other intellectual property rights related to the Identified IPR set forth on Schedule A hereto (except to the extent set forth in Paragraph 2 below) and the FPGA Development Platforms, but excluding trademarks and the Excluded IPR Blocks.

2) LIMITATION: US provisional patent applications identified as Aryya31Prov (Serial No. 60/374,531) and Cognio73Prov (Serial No. 60/474494) each contain information related to the Excluded IPR Blocks; and that, notwithstanding anything to the contrary in this Agreement, Assignee's rights related to such applications extend only to support the priority date for US Patent Number 6,728,517 (with respect to Aryya31Prov) and US Serial No. 10/707, 447 and PCT Serial No. PCT/US04/15339 (with respect to Cognio73Prov), all of which are part of the Identified IPR. Except for this patent and these non-provisional patent applications (and their divisionals, continuations, continuations in part, reissues, reexaminations, and foreign equivalents), no other Patent Families associated with such provisional applications are transferred under this Agreement.

3) NO ASSIGNMENT: No rights are being assigned to the Excluded IPR Blocks.

4) DEFINITIONS:

"Excluded IPR Blocks" means any and all patents, know-how, copyrights and other intellectual property rights related to Seller's ongoing spectrum analysis/management business. Notwithstanding anything to the contrary contained in this Agreement (with the exception of paragraph 2 "Limitation" of this Schedule B above), the Identified IPR shall not be considered part of the Excluded IPR Blocks.

"FPGA Development Platforms" means two MIMO technology development boards, one that receives and the other that transmits, with FPGA Xilinx programmable chips which together form a 4x4 configuration.

"IPR Blocks" means any and all know-how, copyrights and other intellectual property rights related to the Identified IPR (except to the extent set forth in paragraph 2 "Limitation" of this Schedule B above) and the FPGA Development Platforms , but excluding trademarks, the Identified IPR, and the Excluded IPR Blocks.

"Patent Families" means a patent application or patent and all associated patents and patent applications (including without limitation divisionals, continuations, continuations in part, reissues, reexaminations, and foreign equivalents thereof), if any, that share any common priority date or identical specification. In the case of continuations in part that include new matter, the new matter shall be considered part of the same Patent Family as the matter bearing the same priority date or identical specification.



PTO/SB/80 (11-04)

Approved for use through 11/30/2005.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:



Practitioners associated with the Customer Number:

24374

OR



Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

| Name | Registration Number | Name | Registration Number |
|------|---------------------|------|---------------------|
| | | | |
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as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:



The address associated with Customer Number:

24374

OR

| | | | |
|---|-----------------------------------|-----|-----|
| <input checked="" type="checkbox"/> Firm or Individual Name | VOLPE AND KOENIG, P.C., DEPT. ICC | | |
| Address | | | |
| City | State | Zip | |
| Country | | | |
| Telephone | | | Fax |

Assignee Name and Address:

IPR Licensing, Inc.
Suite 105, Hagley Building
3411 Silverside Road
Wilmington, Delaware 19801

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

| | | | |
|-----------|---|-----------|--------------|
| Signature | | Date | Mar 29, 05 |
| Name | Donald M. Boles | Telephone | 610-878-7800 |
| Title | Vice President-Intellectual Property & Chief Patent Counsel | | |

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